



# भारत का राजस्मान्

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नई विल्ली, शनिवार, अप्रैल ५, १९८६ (चैत्र १५, १९०८)

No. 14]

NEW DELHI, SATURDAY, APRIL 5, 1986 (CHAITRA 15, 1908)

इस भाग में भिन्न पृष्ठ संख्या ही जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड २

#### [PART III—SECTION 2]

पेटेंट कायोलय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs

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Calcutta, the 5th April 1986

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## REGISTRATION OF PATENT AGENTS

The following person has been registered as Patent Agent :—

Shri S. Adalkalam,  
110, Law Chambers,  
High Court,  
Madras-600001.

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

*The 27th February, 1986*

143/Cal/86. Adhiacon Attachment for use in textile machines e.g. carding engines.

144/Cal/86. Mitsui Toatsu Chemicals, Incorporated. Purification process of polymerization solvent.

145/Cal/86. Vijay Kumar Paul. A collimator gun sight.

*The 28th February, 1986*

146/Cal/86. Paques B. V. Plant for the anaerobic purification of waste water.

147/Cal/86. Vijay Kumar Khanna. A vibratory road roller.

148/Cal/86. Chloride India Limited. A method of making lead acid storage battery grid. [Division of Application dated 28th January, 1983.]

149/Cal/86. Engelhard Corporation. High octane, high gasoline selectivity catalyst.

150/Cal/86. Imperial Clevite Inc. Cast metal composite article.

151/Cal/86. Engelhard Corporation. High octane, high gasoline selectivity catalyst.

152/Cal/86. Binder & Co. Aktiengesellschaft. Conveying Device.

153/Cal/86. Wallace Edwards. Improved colour reproduction process. (Convention dated 11th June, 1985) Canada.

*The 3rd March, 1986*

154/Cal/86. Revlon, Inc., Sunscreen composition for hair protection.

155/Cal/86. Klein, Schanzlin & Becker Aktiengesellschaft. A rotative joint between a valve member and a valve stem.

156/Cal/86. Vossloh-Werke GmbH. Clamp and fastening arrangement for rails.

157/Cal/86. Metallgesellschaft Aktiengesellschaft. Process of carrying out high-temperature reactions.

158/Cal/86. Kabushikki Kaisha Meidensha. Gas insulation metal-clad power equipment.

*The 4th March, 1986*

159/Cal/86. NL Industries, Inc. Liquid polymer containing compositions for thickening aqueous mediums.

160/Cal/86. 1. Mitsui Toatsu Chemicals, Incorporated;  
2. Kyowa Gas Chemical Industry Co. Ltd. Purification process of methacrylic acid.

*The 5th March, 1986*

161/Cal/86. The Dow Chemical Company. A reversible liquid/solid phase change compositions. [Divisional dated 14th October, 1982].

162/Cal/86. General Electric Company. Bearing having anisotropic stiffness.

163/Cal/86. Beloit Corporation. Refiner disk assembly.

164/Cal/86. Oy Lobja Ab. Method for generating electronically controllable color elements and color display device based on the method and means for generating said color elements.

## APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13

*The 3rd February, 1986*

42/Bom/86. Shantaram Bapurao Janorkar. Shantaram Yantra (Idea).

43/Bom/86. American Combustion Inc. Method and Apparatus for flame Generation.

*The 5th February, 1986*

44/Bom/86. Neeraj Agarwal. Flow Drill for the provision of Holes in sheet material.

*The 6th February, 1986*

45/Bom/86. Deepa Navnitlal Jariwala & Dr. Prabhakar Yeshwant Shirodkar. Process for preparing 1-isopropylamino-3 (2'-substituted naphthyoxy)-2-propanols and 1-N-substituted-3 (2' carboxamido naphthyoxy)-2-propanols.

*The 7th February 1986*

46/Bom/86. Tarapakash Prabhakar Vartak. An improved cam follower slider (housing assembly for cheese winder or the like textile processing machine).

47/Bom/86. Hindustan Lever Limited. Process for the preparation of an improved fat product.

48/Bom/86. Hindustan Lever Limited. Detergent compositions. Great Britain. 12th February and 12th June 1985.

49/Bom/86. Hindustan Lever Limited. Bleaching detergent materials. 15th February 1985. Great Britain.

*The 10th February, 1986*

50/Bom/86. Subnil Packaging Industries. A collecting machine.

51/Bom/86. Indian Petrochemicals Corporation Limited. Process for the preparation of modified polyolefins.

*The 11th February, 1986*

52/Bom/86. Mrs. Nalini Ramchandra Gaiker & Mr. Nitin Ramchandra Gaikar. Ladder Web suspension clip for Venetian blind.

53/Bom/86. Sadashiv Moreshwar Deo & Ramesh Balchandra Kher. Improved frames for doors/windows/ventilators and the like and method of manufacturing & erecting such frames.

54/Bom/86. Akshay Vithaldas Muzmdar. An improved non-slip condom.

*The 12th February, 1986*

55/Bom/86. Vijay Priyal Kulkarni. Improvements in or relating to valve to control water hammer pressure in pumping main, carrying liquid.

*The 14th February, 1986*

56/Bom/86. Darryal D. Rodrigues. Thermosyphon type domestic solar water heater.

57/Bom/86. Keshav Shankar Kavthekar. A machine for manufacturing universal joints.

58/Bom/86. Crompton Greaves Ltd. Electric Pump.

59/Bom/86. Voltas Limited. Water Cooler with refrigerated compartment.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

*The 17th February, 1986*

106/Mas/86. Alexander L Kalina. Method and apparatus for implementing a thermodynamic cycle with intercooling.

107/Mas/86. Minnesota Mining and Manufacturing Company. Cable branch-off seal.

*The 18th February, 1986*

108/Mas/86. Maschinenfabrik Rieter AG, Spinning device for open-end spinning.

109/Mas/86. BBC Brown, Boveri & Company, Limited. Method of manufacturing a control wheel for the high-pressure rotor of a steam turbine.

110/Mas/86. Allied Corporation. Tulip-shaped IC Socket Contact.

111/Mas/86. Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. A process for producing vinyl chloride resin.

112/Mas/86. Akzo N. V. Barium titanium oxide-containing fluorisable cracking catalyst composition.

*The 19th February, 1986*

113/Mas/86. Sri Aurobindo Society. Improved wind rotor wind turbines.

114/Mas/86. Broad of Trustees. Process for the degradation of environmentally persistent organic compounds.

115/Mas/86. General Motors Corporation. Assembly method for a spline-type connection.

116/Mas/86. Ivan Stankovich. Process of transporting dense powder.

117/Mas/86. Hirayama Setsubi Kabushiki Kaisha. Clean Room System.

118/Mas/86. Allied Corporation. Sample testing or monitoring apparatus and containers for use therewith. (March 2, 1985, United Kingdom).

*The 20th February, 1986*

119/Mas/86. Lucas Industries Public Limited Company. Brake pressure control valve. (February 22, 1985; United Kingdom).

120/Mas/86. Owens-Illinois, Inc. Vacuum indicating thermoplastic closure.

121/Mas/86. Owens-Illinois, Inc. Label Shrink Oven.

*The 21st February, 1986*

122/Mas/86. R. L. Bhattacharya. High efficiency oxy arc system of melting for arc furnace.

123/Mas/86. Normalair-Garrett (Holdings) Limited. Fluoric Partial Pressure Sensor. (February, 22, 1985; United Kingdom).

124/Mas/86. Noyo Industri A/S. Novel Peptides.

ALTERATION OF DATE

157469. Ante dated to 27th September, 1980.  
(885/Cal/83).

157470. Ante dated to 16th May, 1981.  
(1518/Cal/83).

157471. Ante dated to 24th June, 1981.  
(352/Cal/84).

157473. Ante dated to 21st August, 1982.  
(782/Cal/84).

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 128-K.

157451

Int. Cl. A 61 b 17/06.

MEANS FOR REMOVABLY SECURING A PLURALITY OF STERILE CURVED SURGICAL NEEDLES SUBSTANTIALLY IN THE SAME PLANE AND A PACKAGE THEREFOR.

Applicant : ETHICON, INC., LOCATED IN SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.  
Inventors : 1. EBERHARD THYEN, 2. CHARLES DAVID CARR.

Application No. 297/Cal/83 filed March 10, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Means for removably securing a plurality of sterile, curved, surgical needles in spaced relationship with said needles lying and being held in substantially the same plane, said means comprising :

a planar member, and a plurality of holding means disposed from one surface of said planar member, each of said holding means having an elongate shape, adjacent longer sides of adjacent holding means having portions parallel whereby a curved needle placed between said adjacent longer sides is gripped on its inside curved surface or its concave curved surface in at least two points and on its outside curved surface or its convex surface at one point to hold the needle in a plane parallel to said planar member.

Compl. Specn. 14 pages. Drgs. 4 sheets.

CLASS : 42-A.

157452

Int. Cl. A 24 c 5/50.

CIGARETTE FILTER

Applicant : BROWN & WILLIAMSON TOBACCO CORPORATION, 1600 WEST HILL STREET, LOUISVILLE, KENTUCKY, U.S.A.

Inventors : 1. DONALD ALAN SILBERSTEIN, 2. ANDREW MCMURTRIE.

Application No. 384/Cal/83 filed March 31, 1983.  
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A filter for a cigarette comprising :

a porous filter rod of generally cylindrical configuration; an air impermeable wrapper extending longitudinally along said filter rod from one end thereof to the other end and circumscribing said rod leaving flow-through opposed end of said filter rod;

said wrapper being formed with at least one groove embedded into said filter rod, said at least one groove being open at one end of said filter rod and extending therefrom in a generally longitudinal direction of said filter rod for a distance less than the length of said filter rod and the open end of said at least one groove being recessed a predetermined distance inwardly of the end of said filter rod;

means defining at least one open cavity formed in the end of said filter rod, said at least one cavity being in air flow communication with said open end of said at least one groove and extending from said open end of said at least one groove in a generally radial direction of said filter rod; and

tipping material extending longitudinally of and circumscribing said wrapped filter rod, said tipping material being air permeable permitting ventilating air flow therethrough into said at least one groove.

Compl. Specn. 14 pages. Drgs. 3 sheets.

CLASS : 190-B.

157453

Int. Cl. B 02 c 7/00.

## TURBINE HOUSING FOR TURBOCHARGERS

Applicant : ROTO-MASTER, INC., OF 7101 FAIR AVENUE, NORTH HOLLOWOOD, CALIFORNIA 91605, UNITED STATES OF AMERICA.

Inventors : 1. HUGH MACINNES, 2. JON MEYER, 3. ANDREW JOHNSTON, 4. JOHN FORT JR.

Application No. 422/Cal/83 filed April 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

In a turbine housing for turbochargers and the like having an interior scroll configuration and being adapted for the passage of exhaust gas therethrough, said housing having an inlet and an outlet, the improvement which comprises an exit port in said turbine housing intermediate the entry and the terminus of said scroll configuration, said exit port being selectively adapted to permit the passage of bypass gas therethrough.

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 53-C.

157454

Int. Cl. B 62 m 11/00.

## A VARIABLE SPROCKET

Applicants : ROYCE HILL HUSTED, OF 711 LAKE-SIDE DR. WHEATON, ILLINOIS 60187, U.S.A. AND SAMUEL SHIBER, OF 529 KILLARNEY, MUNDELEIN, ILLINOIS 60060, U.S.A.

Inventor : 1. ROYCE HILL HUSTED.

Application No. 431/Cal/83 filed April 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A variable sprocket comprising : a drive flange, two sprocket-segment-planets and at least two idler-planets said planets being connected to said drive flange and adapted to radially slide on said drive flange, means for radially expanding and contracting said planets in order to increase and decrease, respectively, the effective diameter of said sprocket, said sprocket adapted to engage with a chain which wraps approximately one half of said sprocket, said chain being made of links and having a pitch equal to the length of said chain divided by the number of said links said planets being located so that when said variable sprocket is operative and when both sprocket-segment-planets are engaged with said chain the lengths of chain that is trapped between said sprocket-segment-planets is substantially without slack but is also not taut and the length of said trapped chain being an integral number of pitches to synchronize said chain and said sprocket-segment-planet at the point of their engagement.

Compl. Specn. 15 pages. Drgs. 2 sheets.

CLASS : 32-A.

157455

Int. Cl. C 09 b 43/16.

## PROCESS FOR PREPARING WATER SOLUBLE AZO COMPOUND.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

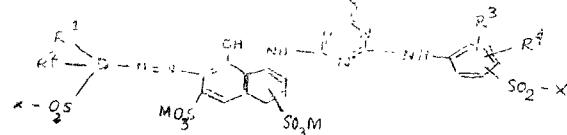
Inventors : 1. HANS-JOACHIM BREDERECK, 2. ERNST HOYER, 3. FRITZ MEININGER.

Application No. 561/Cal/83 filed May 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 8 Claims

Process for preparing a water-soluble azo compound of the formula (1) of the accompanying rawings



in which

M represents a hydrogen atom or the equivalent of a metal, D is a benzene or a naphthalene nucleus,

R¹ denotes a hydrogen atom or an alkyl group of 1 to 4 carbon atoms or a sulfo group,

R² is a hydrogen atom or an alkyl group of 1 to 4 carbon atoms,

R³ represents a hydrogen atom, an alkyl group of 1 to 4 carbon atoms or an alkoxy group of 1 to 4 carbon atoms and

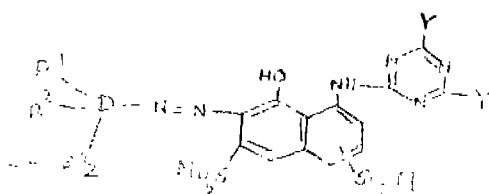
R⁴ denotes a hydrogen atom or an alkyl group or 1 to 4 carbon atoms or an alkoxy group of 1 to 4 carbon atoms, where R¹, R², R³ and R⁴ can be identical to or different from one another,

Y is a fluorine atom or a bromine atom, or preferably, a chlorine atom and

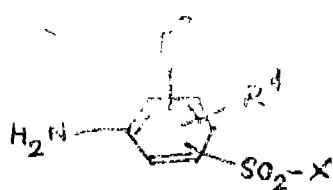
X in each case denotes a β-sulfatoethyl group or a β-thio-sulfatoethyl group or a 6-chloroethyl group or a vinyl group where the two X can be identical to a or different from one another, and

the group(s) of the formula-SO₂-X are bonded in the benzene nucleus in meta-or para-position relative to the azo group or acylated amino group and can be bonded in the naphthalene nucleus in any position, and the second group of the formula SO₃M in the radical of the aminonaphthol-

disulfonic acid is bonded in meta- or para-position relative to the acylated amino group, which comprises reacting a compound of the formula (2)



in which D, R<sup>1</sup>, R<sup>2</sup>, N, X and Y have the meanings mentioned above and the second group of the formula -SO<sub>2</sub>M in the radical of the aminonaphthalidysulfonic acid is bonded in meta- or para-position relative to the acylated amino group, with an aromatic amine of the formula (3) in which R<sup>1</sup>, R<sup>2</sup>,



and X have the meanings mentioned above and the group of the formula -SO<sub>2</sub>-X is bonded in the benzene nucleus in meta- or para-position relative to the amino group.

Compl. Specn. 30 pages. Drg. 1 sheet.

CLASS : 205-F

157456.

Int. Cl. B 60 c 15/00.

#### PROCESS FOR MANUFACTURING A PACKAGE BEAD RING FOR TIRES.

Applicant : MICHELIN & CIE. (COMPAGNIE GENERALE DES ÉTABLISSEMENTS MICHELIN), OF 4 RUE DU TERRAIL, CLERMONT-FERRAND, FRANCE.

Inventors : 1. MAURICE BOUJU, 2. JEAN-LOUIS CHARVET.

Application No. 579/Cal/83 filed May 9, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A process for manufacturing a package bead ring for tires having a rectilinear radially inner face and formed of at least two layers of at least two adjacent wires, preferably metallic wires, of rectangular cross-section would alongside each other from layer to layer and from wire on a manufacturing form after permanent bending of the wires, characterized by the act that during the winding of the layers of wires a piece of ribbon, which is formed of a thin flexible support resistant to shear in the radial direction between two adjacent wires and which is of a thickness at most equal to 0.5 mm and preferably less than 0.3 mm, is interposed at irregular or regular intervals at least twice per revolution between two consecutive layers of wires, the support bearing on each of its faces a layer of a material which is adherent both to the support and to the wires, the total active surface of the pieces of ribbon interposed between two consecutive layers of wires being between 0.5% and less than 20% of the surface of one layer of wires counted over one revolution.

Compl. Specn. 8 pages. Drg. 1 sheet.

CLASS : 75.

157457

Int. Cl. G 01 p 3/00.

#### VEHICLE MOUNTED DOPPLER RADAR SYSTEM

Applicant : PLESSEY OVERSEAS LIMITED, OF VICARAGE LANE, ILFORD, ESSEX, ENGLAND.

Inventor : 1. ALAN KEITH BALL.

Application No. 652/Cal/83 filed May 24, 1983.

Convention dated 25th May, 1982 (82 15268) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

#### 8 Claims

A doppler radar system for mounting on a vehicle including means for obtaining quadrature doppler frequency output signals from respective detectors, amplifying means for amplifying and squaring the output signals including logic means for producing from said amplified and squared signals two pulse trains indicative of forward and reverse motion and including combining means for combining together said forward and reverse pulse trains to produce an output proportional to the forward motion of the vehicle substantially independent of the vibration of the vehicle.

Compl. Specn. 20 pages. Drgs. 9 sheets.

CLASS : 9-F; 31-C.

157458

Int. Cl. B 01 f 17/30, 17/34, 17/36.

#### A METHOD FOR MAKING AN IMPROVED PHOTO-RESPONSIVE AMORPHOUS SILICON-BASED ALLOY.

Applicant : ENERGY CONVERSION DEVICES, INC., OF 1675 WEST MAPLE ROAD, TROY, MICHIGAN 48084, UNITED STATES OF AMERICA.

Inventors : 1. STANFORD ROBERT OVSHINSKY, 2. RICHARD A. FLASKE.

Application No. 1003/Cal/81 filed September 7, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

A method of making an improved photoresponsive amorphous silicon-based alloy, said method comprising establishing a glow discharge in a gaseous state to deposit a silicon alloy containing fluorine as a density of states reducing element and introducing into said alloy in varying amounts, an adjusting element, as herein described, that alters the band gap energy of said alloy without substantially increasing the quantity of states in the band gap to produce a graded band gap in said alloy.

Compl. Specn. 62 pages. Drgs. 4 sheets.

CLASS : 39-N; 39-P; 130-I.

157459

Int. Cl. C 01 g 45/00; C 22 b 49/00.

#### PROCESS FOR REMOVING MOLYBDENUM FROM AQUEOUS SALT SOLUTIONS ESPECIALLY MANGANESE SALT SOLUTIONS.

Applicant : HOECHST AKTIENGESELLSCHAFT, D 6230 FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. EBERHARD PRIESLER, 2. BERNHARD HOLLMANN, 3. JOHANNES HOLZZEJM.

Application No. 389/Cal/82 filed April 7, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

In the process for removing molybdenum from aqueous salt solutions by adsorbing it on manganese dioxide, the improvement which comprises contacting the salt solution with a bed of granular manganese dioxide ( $MnO_2$ ) precipitated electrolytically and transformed into granular material.

Compl. Specn. 14 pages. Drgs. nil.

CLASS : 47-C.

157460

Int. Cl. F 07 d 1/18.

## COKE OVEN DOOR

Applicant : FIRMA CARL STILL GmbH & CO. KG., OF 4350 RECKLINGHAUSEN, POSTFACH 101851, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. WERNER ABENDROTH.

Application No. 860/Cal/82 filed July 26, 1982.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

A coke oven door comprising a sealing strip having two limbs joined by a connecting portion, one of the limbs lying against an edge portion of the door and the other limb extending outwardly relative to the coke-oven facing side of the door for engaging, with its edge, a frame for the door, clamping means to hold the said one limb against the edge portion of the door, the clamping means being adjustable to vary the outward position of the edge of the said other limb of the sealing element relative to the said side of the door, and spring means for adjustably varying the sealing force between that edge and the door frame, the spring means being supported by the clamping means, wherein the connecting portion of the sealing strip comprises a looped portion.

Compl. Specn. 19 pages. Drgs. 4 sheets.

CLASS : 10-F.

157461

Int. Cl. F 42 b 5/02.

## A CARTRIDGE FOR HAND AND SHOULDER WEAPONS.

Applicants : SOCIETE FRANCAISE DE MUNITIONS, OF 11 IMPASSE GAUDELET, 75011 PARIS, FRANCE, ROBERT ANTOINE, OF 34, RUE MARCEL ROBIN, 58640 VARENNES VAUZELLES, FRANCE AND LAURIN JACQUES, OF RUE SACCO ET VANZETTI, 58000 NEVERS, FRANCE.

Inventors : 1. ANTOINE ROBERT, 2. LAURIN JACQUES.

Application No. 1031/Cal/82 filed September 6, 1982.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A cartridge constituting a non-deformable projectile fitted in a cartridge case, for hand and shoulder weapons comprising a body and a nose, characterized in that the longitudinal cross-section of the said nose is defined by two lines which are concave when seen from the exterior and symmetrical with respect to the axis of the projectile and that means are provided in combination for imparting to the said projectile an initial velocity which is higher than that of a projectile of the usual type and of the same calibre, the means aforesaid being constituted by a cavity within the said body, the said cavity being open at the end remote from the projectile nose and intended to be filled at least to a partial extent with charge powder which has been introduced into the cartridge case of the said projectile.

Compl. Specn. 24 pages. Drgs. 2 sheets.

## CLASS : 14-D, &amp; 2.

157462

Int. Cl. H 01 m 19/00.

## MULTIPLE CHAMBER DEPOSITION AND ISOLATION SYSTEM FOR PRODUCING A BODY OF MATERIAL.

Applicant : ENERGY CONVERSION DEVICES, INC., OF 1675 WEST MAPLE ROAD, TROY, MICHIGAN, U.S.A. 48084.

Inventors : 1. VINCENT D. CANNELLA, 2. MASAT-SUGU IZU, 3. STEPHEN J. HUDGENS.

Application No. 1123/Cal/82 filed September 27, 1982.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 34 Claims

A multiple chamber deposition and isolation system for producing a body of material upon a substrate, said body having at least two layers of different composition, said system comprising :

a first chamber including means for depositing on said substrate a first layer of material;

a second chamber including means for depositing on said substrate a second layer of material having a composition differing from the composition of said first layer by the absence of at least one element;

means for transferring said substrate from said first chamber to said second chamber;

source means for providing said second chamber with at least one gas; and

isolation means for isolating said second chamber from said at least one element within said first chamber including means for establishing unidirectional flow of said at least one gas from said second chamber to said first chamber.

Compl. Specn. 26 pages. Drgs. 1 sheet.

## CLASS : 145-D.

157463

Int. Cl. B 21 f 5/14.

## DRYER SECTION FOR PAPER MAKING MACHINE.

Applicant : BELOIT CORPORATION, OF P.O. BOX-350, BELOIT WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventor : 1. EDGAR J. JUSTUS.

Application No. 1183/Cal/82 filed October 12, 1982.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

In a paper making machine dryer section having vertically spaced horizontal first and second tiers of heated dryer rolls, wherein a lower tier roll is located opposite a space between a pair of upper tier rolls, and a paper web to be dried is adapted to travel at high speed in a roll-wrapping serpentine path in contact with corunning previous belt means in such relation that the web is in direct contact with said pair of first tier rolls and the belt means intervenes between the web and said second tier rolls, the improvement being characterized in comprising :

Means defining a vacuum pocket together with said lower tier roll and spans of said belt means running freely between said lower tier roll and said pair of upper tier rolls and said web travelling on said belt means outside of said pocket;

a top closure over said pocket extending between said pair of upper tier rolls;

and means for drawing a vacuum in said pocket effective for retaining said web in contact with said belt means against any tendency of said web to pull away from said belt means in the vicinity of said pocket.

Compl. Specn. 10 pages. Drgs. 1 sheet.

CLASS : 206-E.

157464

Int. Cl. H 03 b 3/00.

**STATIC VAR GENERATORS AND NETWORK STABILIZERS.**

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. LASZLO GYUGYI.

Application No. 78/Cal/83 filed January 20, 1983.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims**

A statistic VAR generator and network stabilizer comprising a reactance means disposed for connection into an AC network, a frequency monitoring means for detecting subsynchronous resonance in said AC network, a control means connected to said reactance means and said frequency monitoring means for connection of said reactance means into said AC network to damp subsynchronous resonance in said AC network.

Compl. Specn. 12 pages. Drgs. 9 sheets.

CLASS : 69-G.

157465

Int. Cl. H 01 h 3/00.

**AIR CIRCUIT BREAKER**

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TOSHIHIKO KODERA, 2. KYOSHI EGUCHI, 3. TAKAYOSHI ISHIKAWA, 4. YASUSHI GENBA, 5. SHIGEMI TAMARU, 6. SASUMU SATOU.

Application No. 86/Cal/83 filed January 24, 1983.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**4 Claims**

An air circuit breaker, which comprises in combination :  
a compression coil;

a first spring holder to compress said compression coil in the axial direction thereof; and

a second spring holder which is subjected to the compression force of said compression coil,

said first spring holder being constructed in such a manner that it is formed of a plate material in a rectangular shape, a pair of projected pieces are provided on both sides of said plate material, and a pin is held to pass between said pair of projected pieces in the direction of thickness of

the plate so as to be able to support one end of said energy accumulating spring at four points with said pair of projected pieces and said pin in a compressible manner, and

after compression of said energy accumulating spring by pressure application thereto, its pressure application being released to stretch said energy accumulating spring so as to close a pair of contact points through said first and second spring holders.

Compl. Specn. 25 pages. Drgs. 9 sheets.

CLASS : 68-E.

157466

Int. Cl. G 05 f 1/02.

**A CONTROLLABLE CURRENT SUPPLY SYSTEM FOR GENERATING AN ALTERNATING POLARITY SQUARE WAVE CURRENT FOR A WELDING ARC.**

Applicant : HOBART BROTHERS COMPANY, 600 WEST MAIN STREET, TROY, OHIO 4 7252, U.S.A.

Inventor : 1. ROBERT L. RISBERG.

Application No. 151/Cal/83 filed February 9, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**15 Claims**

A controllable current supply system for generating an alternating polarity square wave current for a welding arc comprising :

a power input (102) for receiving three phase alternating current power;

a power control circuit (112) connected in series with said power input (102) and said welding arc (124) said power control circuit (112) comprising :

three straight polarity conducting paths (1, 3, 5) each comprising a phase related unidirectional input switching device (1, 8; 3, 8; 5, 8) connected to the corresponding phase of said power input, a common unidirectional output switching device (7, 8) connected to said arc and common inductor means (116) connected between said input switching device and said output switching device of each of said straight polarity paths; and

three reverse polarity conducting paths (2, 4, 6) each comprising a phase related unidirectional input switching device, (4, 7; 6, 7; 2, 7) connected to the corresponding phase of said power input and a common unidirectional output switching device (7, 8) connected to said arc, (124) said inductor means (116) also being common to said reverse polarity conducting paths and connected between said input switching device and said output switching device of each of said reverse polarity paths such that current flow is in the same direction through said inductor means (116) whether a straight polarity conducting path is active or a reverse polarity conducting path is active;

path switching means (200, 300-371) synchronized with three phase power received or said power input for controlling said power control circuit to activate said conducting paths at defined non-zero voltage points of said three phase power; and

timing means (400-500) synchronized with three phase power received on said power input for enabling said path switching means to activate said conducting paths to conduct repetitive sequences of independent numbers of half cycles of each polarity of said three phase power.

Compl. Specn. 43 pages. Drgs. 4 sheets.

CLASS : 28-C; 85-J; 108-C<sub>3</sub>.

157467

Int. Cl. F 23 I 7/00 F 27 b 3/22

## FIREPROOF, GAS-PERMEABLE CONSTRUCTION ELEMENTS.

Applicant : ARBED S.A., AVENUE DE LA LIBERTE L-2930 LUXEMBOURG GRANT-DUCHY OF LUXEMBOURG.

Inventors : 1. FRANCOIS SCHLEIMER, 2. GUY DENIER, 3. ROMAIN HENRION, 4. JEAN GOEDERT, 5. FERDINAND GOEDERT, 6. HENRI KLEIN, 7. JOSEF AUER, 8. BERNDT WENDL.

Application No. 664/Cal/83 filed May 25, 1983.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A fireproof, gas-permeable structural module for blowing gases in metal treatment containers, comprising at least two engaging segments each comprising core of fireproof material having substantially rectangular section, two end surfaces and a peripheral longitudinal surface extending between said end surfaces, each of said segments also comprising a gas-tight cover provided at least on all longitudinal sides of said core and peripherally uninterrupted so as to uninterruptedly cover said peripheral surface of said core, so that when a gas is blown through the module between said segment it does not oxidize the longitudinal sides of said cores of said segments, the structural module further comprising a common metal housing enclosing the peripheral surfaces of said segments and at one of its end faces a gas distribution chamber and a gas connection.

Compl. Specn. 12 pages, Drgs. 1 sheet.

CLASS : 187-A &amp; H.

157468

Int. Cl. H 04 q 3/50.

## CIRCUIT ARRANGEMENT FOR SETTING UP A CONFERENCE CALL.

Applicant : INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 10022, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. JOACHIM ESCHMANN, 2. JURGEN ZANZIG.

Application No. 240/Cal/83 filed February 26, 1983.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A circuit arrangement for setting up a conference call in a digital telephone switching system including a first code converter (CC1) converting the nonlinearly coded speech samples from the individual participants into linearly coded values, an adder (ADD) summing the converted values, and a second code converter (LCC) converting the sum-values into nonlinearly coded speech samples, wherein the incoming speech samples are compared in an evaluation circuit (EVC) and evaluated there over an integration period such that the participant with the highest speech-signal intensity is determined, and wherein the speech samples of this participant are fed to the adder (ADD) unattenuated, while the speech samples of the other participants are fed to the adder (ADD) after being attenuated by a preset value.

Compl. Specn. 11 pages, Drgs. 1 sheet.

Class : 172-A.

157469

Int. Cl. D 01 h 1/00.

## BOBBIN SUPPORT STRUCTURE FOR A ROVING FRAME.

Applicant : MASCHINENFABRIK RIETER A.G., OF WINTERTHUR SWITZERLAND.

Inventor : I. PETER NOVAK.

Application No. 885/Cal/83 filed July 15, 1983.

Convention dated 28th September, 1979 (79 33786) U.K.

Division of Application No. 1096/Cal/80 dated 27th September, 1980.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims

A bobbin support structure for a roving frame comprising a spindle;

bobbing engaging means on said spindle for engaging an internal shoulder of a tubular bobbing to support the bobbin;

drive means on said spindle for inter-engaging with a corresponding drive means on the bobbing interior to transmit a rotary drive force from said spindle to the bobbin; and

means on said spindle and rotatable therewith for clamping a roving tail against an outwardly facing surface of a received bobbing adjacent a foot thereof.

Compl. Specn. 13 pages, Drgs. 2 sheets,

CLASS : 32-A.

157470

Int. Cl. C 07 b 62/08, 62/10.

## PROCESS FOR THE MANUFACTURE OF WATER-SOLUBLE PHTHALOCYANINE DYESTUFFS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. FRITZ MEININGER, 2. URSULA OTTEN, 3. ANNA GERTRUD RUDOLPH NEE OTTEN.

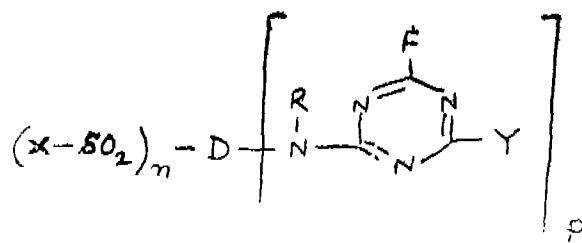
Application No. 1518/Cal/83 filed December 12, 1983.

Division of Application No. 527/Cal/81 dated 16th May, 1981.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 20 Claims

A process for the manufacture of a water-soluble metal-free or heavy-metal-complex compound containing at least one sulfo group such as herein described corresponding to the general formula (I) of the accompanying drawings.



wherein :

D denotes the radical of an organic dye molecule, such as herein described.

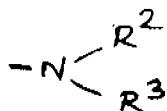
X is a vinyl,  $\beta$ -thiosulfatoethyl,  $\beta$ -sulfatoethyl or  $\beta$ -B-chloroethyl group.

R is a hydrogen atom or an alkyl group having 1 to 4 C-atoms.

n is the number 1 or 2.

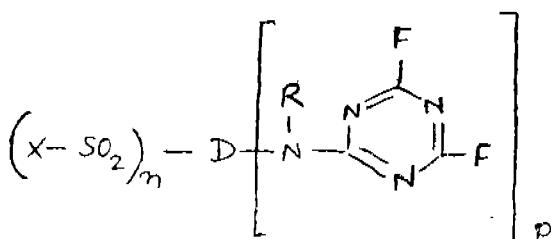
p is the number 1 or 2.

Y is a radical of the formula (3A)

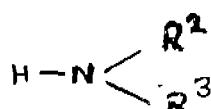


in which

$R^a$  is a hydrogen atom or an optionally substituted aliphatic radical of 1 to 4 C-atoms or a cycloaliphatic radical and  $R^b$  denotes a hydrogen atom, an optionally substituted aliphatic radical of 1 to 4 C-atoms, an optionally substituted aromatic carbocyclic radical, an alkoxy group of 1 to 4 C-atoms, a cyano group, a group of the formula  $-CS-NH_2$  or an optionally substituted amino group, or  $R^a$  and  $R^b$  con-jointly with the nitrogen atom, form a ring which contains alkylene of 1 to 4 C-atoms and optionally a heteroatom, which comprises reacting a compound of the general formula (2)



in which D, R, X, n and p are defined as above, with an amino compound of the general formula (3),



in which  $R^a$  and  $R^b$  are defined as above, with elimination of one mole of hydrogen fluoride at a temperature of between 0 and 50°C.

Compl. Specn. 104 pages. Drg. 18 sheets.

CLASS : 40-F ; 103.

157471

Int. Cl. C 23 f 11/00.

A CORROSION INHIBITING COMPOSITION FOR INHIBITING CORROSIVE ACTION OF AQUEOUS ALKANOLAMINE SOLUTIONS AND A METHOD OF ITS PREPARATION.

Applicant : UNION CARBIDE CORPORATION, LOCATED AT OLD RIDGEBOURG ROAD, DANBURY, STATE OF CONNECTICUT, 06817, UNITED STATES OF AMERICA, FORMERLY OF 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : 1. JOHN GROOME MCCULLOUGH.  
2. KENNETH JAMES BARR.

Application No. 352/Cal/84 filed May 22, 1984.

Division of Application No. 682/Cal/81 dated 24th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 13 Claims

A corrosion inhibiting composition suitable for inhibiting corrosive action of aqueous alkanolamine solutions when in contact with a metallic surface comprising an inhibiting amount as herein described of the combination of at least one vanadium compound wherein the vanadium therein is in the plus five valence state in the aqueous alkanolamine solution and an organic compound prepared by mixing at any desired proportion (a) nitro-substituted aromatic acids and/or their salts and (b) 1, 4-naphthoquinone; the concentrations of the vanadium compounds and the organic compound varying from 0.01 mM to 50 mM.

Compl. Specn. 18 pages. Drg. nil.

CLASS : 128-G.

157472

Int. Cl. A 61 b 10/00.

A DEVICE FOR ASSAYING AN AQUEOUS SAMPLE CONTAINING A SPECIFICALLY BINDING BIO-MATERIAL.

Applicant : COVALENT TECHNOLOGY CORPORATION, 3941 RESEARCH PARK DRIVE ANN ARBOR, MICHIGAN 48106, UNITED STATES OF AMERICA.

Inventor : 1. DAVID ELDON WOOD.

Application No. 544/Cal/84 filed August 1, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 9 Claims

A device for assaying an aqueous sample containing a specifically binding biomaterial having a binding site which is a specific binding partner to a biological substance, said specifically binding biomaterial being in association with other biomaterials, with increased speed, ease of assaying specificity and sensitivity, comprising :

a solid support having a water insoluble macroextensive surface capable of associating with said specifically binding biomaterial, and means for shielding those portions of the macro-extensive surface which are not bound to said specifically binding biomaterial with a material which prevents attachment of other biomaterials, and

a plurality of particles having particle surfaces bearing said biological substance associated therewith,

Compl. Specn. 35 pages. Drgs. 2 sheets.

CLASS : 32-E ; 40-B.

157473

Int. Cl. B 01 j 11/00, C 08f 3/04.

**PROCESS FOR THE PREPARATION OF A CATALYST SUITABLE FOR USE IN PRODUCING POLYETHYLENE.**

Applicant : NISSAN CHEMICAL INDUSTRIES LTD., OF 7-1, 3-CHOME, KANDA-NISHIKI-CHO, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TAKESHI IWABUCHI, 2. MASAO KAWAHARA, 3. SAKAE KAMIYAMA, 4. TERUMI SATO.

Application No. 782/Cal/84 filed November 14, 1984.

Division of Application No. 973/Cal/82 dated 21st August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**13 Claims**

A process for the preparation of a catalyst suitable for use in producing polyethylene, which comprises bringing the following components (I) to (III) in contact with one another in any desired ratio :

(I) a reaction product (B) of an intermediate reaction product (A) and at least one nucleophilic reagent selected from an aldehyde, a ketone and an alcohol said intermediate reaction product (A) being that of a hydropolysiloxane and a Grignard reagent,

(II) a transition metal compound such as hereinbefore described, and

(III) at least one organic aluminium compound such as hereinbefore described.

Compl. Specn. 37 pages. Drg. nil.

CLASS : 32 D.

157474

Int. Class : C 07 f 3/00.

**"A METHOD OF MAKING METAL OXYCARBOXYLATE".**

Applicant : BIO-SYSTEMS RESEARCH INC., A CORPORATION OF COLORADO, HAVING A PLACE OF BUSINESS AT 109 W. RAINBOW DRIVE, SALIDA, COLORADO 81201, UNITED STATES OF AMERICA.

Inventors : JOSEPH EMIL LIONELLE & JEFFREY ALAN STAFFA.

Application for Patent No. 648/Del/81 filed on 6th October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

**(13 Claims)**

A method of preparing a metal oxycarboxylate which comprises reacting a metal such as herein described, a carboxylic acid, and hydrogen peroxide in an aqueous reaction mixture, precipitating metal oxycarboxylate, and separating the precipitated metal oxycarboxylate by a method known per se.

(Compl. specn 10 pages).

CLASS : 95 H.

157475

Int. Class : B 25c, 1/08 &amp; B 27 f, 7/00.

**"A SELF-STARTING PORTABLE TOOL"**

Applicant : SIGNODE CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 3600 WEST LAKE AVENUE, GLENVIEW, ILLINOIS 60025, UNITED STATES OF AMERICA.

Inventor : MILOVAN NIKOLICH.

Application for Patent No. 12/Del/1982 filed on 6th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

**(13 Claims)**

A self-starting portable tool such as hereinbefore defined comprising a housing, a cylinder in said housing, a piston in said cylinder and forming a motor member, a working member attached to said piston, a combustion chamber formed within said housing and having said piston defining a wall portion thereof, a turbulence generator in said chamber, means connected to said cylinder for supplying fuel and air to said chamber, means connected to and for operating said generator independent of said piston such that premixing and turbulence are imparted to the air and fuel in said chamber before initial ignition of the mixture in said chamber and before initial movement of said piston, and means connected to said combustion chamber for igniting and exploding said mixture in said combustion chamber to drive said piston to operate said working member, whereby the initial and all subsequent strokes of the motor member are operated at substantially full energy output, and further wherein the turbulence generator consists of a fan disposed in said chamber and the means for operating said generator includes an electric motor self-contained within said housing and connected to said generator.

(Compl. specn. 27 pages. Ddg. sheets 3).

CLASS : 95 H.

157476

Int. Class : B 25c, 1/08 &amp; B 27f, 7/00.

**"A PORTABLE FASTENER DRIVING TOOL"**

Applicant : SIGNODE CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 3600 WEST LAKE AVENUE,

GLENVIEW, ILLINOIS 60025, UNITED STATES OF AMERICA,

Inventor : MILOVAN NIKOLICH.

Application for Patent No. 14/Del/1982 filed on 6th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**(19 Claims)**

A portable fastener driving tool comprising a housing, a cylinder in said housing, a piston in said cylinder and movable through a driving stroke from a driving to a driven position, a driver attached to said piston, a magazine for supplying fasteners into position to be driven by said driver, a combustion chamber formed within said housing and having said piston as one wall thereof, a fan in said combustion chamber and controls therefor to operate the same to cause turbulence in said chamber, main valve means controlling the flow of air into said combustion chamber and the exhausting of the gases

of combustion from said combustion chamber, means for providing fuel into said combustion chamber and igniting same for driving said piston from said driving position to said driven position to drive a fastener, and means for returning the piston to the driving position after a fastener has been driven.

(Compl. specn. 40 pages Drgs. 6 sheets.)

CLASS : 116 G.

157477

Int. Class : B 66 f 7/00.

**"AN ADJUSTABLE MANUALLY OPERATED DEVICE FOR MOVING STAGNATED VEHICLE".**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : UDAYAN NANDY, PARITOSH CHANDRA SAHA AND KURLAGUNDA NAGARAJA RAO.

Application for Patent No. 20/Del/1982 filed on 11th January 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**(3 Claims.)**

An adjustable manually operated device for moving stagnated vehicle comprising a telescopic channel consisting of a channel provided with a fixed pin and a box channel (13) having a plurality of grooves, a pair of rotatable telescopic shafts (4 & 7) mounted perpendicularly at the two ends of the telescopic channels and consisting of an adjustable solid shaft (7) movable within a hollow shaft (4), the solid shaft (7) having plurality of holes lock the shaft in position, a set of four swivel type castor wheel fixed at each end of the said telescopic shaft and a set of key (3) and handle (2) provided at each end of the shaft to effect the rotation of the shaft by 90° to lower or raise the castor wheels when the same are put under the wheel of the vehicle to be moved.

(Compl. specn. 8 pages Drgs. 1 sheet.)

CLASS : 27 I

157478

Int. Class : E06C-7/00.

**"ATTACHMENT FOR FITTING TO A LADDER".**

Applicant : SAMUEL DAVID SMITH, OF 'JAMADA, NEWTON OF PITCHIRNS, DUNING, PERTHSHIRE, GREAT BRITAIN, A BRITISH CITIZEN.

Inventor : SAMUEL DAVID SMITH.

Application for Patent No. 48/Del/1982 filed on 22nd January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**(4 Claims.)**

An attachment for fitting to a ladder of the type which is located at an angle against a wall or the like, comprising in combination : a platform assembly having a framework which includes means for positive attachment in the framework to the ladder, a platform extending substantially beyond the sides of the ladder and being pivotally connected to the framework and pivotal between an inoperative position in which the platform member lies substantially longitudinally of the ladder and an operative position in which it lies substantially horizontal (when in use) : an elongate cross bar attached to the

ladder and extending beyond the sides thereof and having wheels at its ends for engaging the wall or the like, the platform member in said operative position being supported on the framework and additionally supported at its ends by rigid support members which extend upwards therefrom and engage in bracket means mounted on the cross bar, the support members being slidable in the brackets to permit pivotal movement of the platform member.

(Compl. specn. 11 pages. Drgs. 4 sheets.)

CLASS : 116 G.

157477

Int. Class : B 66 f 7/00.

**"AN ADJUSTABLE MANUALLY OPERATED DEVICE FOR MOVING STAGNATED VEHICLE".**

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : UDAYAN NANDY, PARITOSH CHANDRA SAHA AND KURLAGUNDA NAGARAJA RAO.

Application for Patent No. 20/Del/1982 filed on 11th January 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**(6 Claims)**

An improved knife honing machine comprising a housing of a light, rigid material, preferably Aluminium, having a wedge on its under side at its front, with an angle adjusting screw provided at its rear, and an inclined vertical component at its front, which has a motor mounted from the inside by screws and having slots to mount a plurality of honing wheels assembled enabling an upward or downward movement for honing wheels; the said motor having a grooved pulley on its shaft and driving the said honing wheels by means of flexible connections, such as belts or chains; a cover attached to the said housing by screws and holds the operational controls and to allow the said angle adjusting screw to pass through its rear of the said housing, thereby affording the said honing machine complete portability.

(Compl. specn. 8 pages. Drgs. sheets 3.)

CLASS : 156 D.

157480

Int. Class : F04c 9/00.

**"WATER ENGINE"**

Applicant : AUR HYDROPOWER LIMITED, A BRITISH COMPANY OF 8 ST. BRIDE STREET, LONDON EC4, ENGLAND.

Inventor : ALISTER URE REID.

Application for Patent No. 74/Del/82 filed on 30th January, 1982.

Convention date 13th February, 1981/8104507/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**(11 Claims.)**

An engine for deriving energy from a head of water, comprising a chamber, a float, means mounting the float for up and down reciprocal movement within the chamber, means for alternatively admitting water into the chamber from an upper water level and allowing the water to flow out from the chamber to a lower water level to cause the float alternatively to rise and fall, and means to provide a supply of fluid under pressure, comprising at least one variable length link incorporating a piston and cylinder device operable to work on the fluid on relative movement of the piston and cylinder, the link being pivotally connected at one end to a first point on the float or on a member reciprocable therewith, and at its other end to second point on a support for

the link mounted on said chamber and which is not reciprocable with the float and which is spaced from the line of reciprocation of the first point whereby the reciprocal movement of the float alters the length of the link by relative movement of the piston and cylinder.

Compl. specn. 14 pages. Drgs. 5 sheets.

CLASS : 33 D.

157481

Int. Class : G 01n 1/24.

**"AN IMPROVED MOLTEN METAL SAMPLING DEVICE"**

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., LOCATED AT OLD RIGBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817 UNITED STATES OF AMERICA.

Inventor : JOHN FRANKLIN PELTON.

Application for Patent No. 80/Del/1982 on 1st February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved molten metal sampling device comprising the following components :

- (i) a porous filter;
- (ii) holding means for said filter;
- (iii) a hollow conduit running from a point adjacent to and below the filter through the holding means to a covered reservoir; and
- (iv) vacuum means connected to the reservoir through an aperture in the cover,

the components being positioned in such a manner that molten metal can be drawn through the filter in a downward direction and, then, through the conduit into the reservoir,

the improvement comprising :

- (a) a recess in the said holding means ;
- (b) a hollow cup snugly fitted on the upper portion of the recess but removable open at both ends; and with a peripheral seat intermediate of both ends on which the filter resides;
- (c) a removable stopper rod, which fits into that portion of the cup above the filter; and
- (d) a contiguous lining for that part of the conduit, which will not be submerged in the molten metal, and for the reservoir and its cover said lining comprising an insulating material inert and essentially impervious to molten metal, but permitting the passage of gases there through.

Compl. specn. 18 pages. Drg. 1 sheet.

CLASS : 53 E.

157482

Int. Class : B62k 15/00.

**"FOLDABLE AND PORTABLE BICYCLE WITH COMPACT STEERING BEARING"**

Applicant : HON CORPORATION INTERNATIONAL, A CALIFORNIA CORPORATION, LOCATED AT 2522 BANYAN DRIVE, LOS ANGELES, CALIFORNIA, UNITED STATES OF AMERICA.

Inventor : DAVID TAK-WEI HON.

Application for Patent No. 92/Del/1982 filed on 3rd February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**(DRAWINGS)**

A foldable and portable bicycle comprising : a foldable frame having a front end; a handlebar assembly normally extending upwardly from the front end and hinged at said front end for folding into a lowered position below the front end; a front wheel support extending downwardly from said front end to support a front wheel of the bicycle; connecting means joining the handlebar assembly to the front wheel support; a steering bearing rotatably supporting the handlebar assembly and the front wheel support on the frame, the bearing comprising a housing in the form of a narrow arcuate band secured to the front end and forming said front wheel support and bearing housing; and bearing elements in said housing between the housing and the connecting means; and wherein said bearing has a diameter greater than its axial length.

Compl. specn. 18 pages. Drgs. 3 sheets.

CLASS : 93.

157483

Int. Class : B01j 2/14.

**"IMPROVED PROCESS FOR PAN GRANULATION OF NITROGENOUS FERTILIZER PRODUCTS".**

Applicant : NOSK HYDRO A.S., OF BYGDOY ALLE 2, ALSO 2, NORWAY. A NORWEGIAN COMPANY

Inventor : LEIFGUNVALD, HELLEBO, JAN BIRGER ISAKSEN & OYVIND SKAULI.

Application for Patent No. 93/Del/1982 filed on 3rd February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**11 Claims**

An improved process for pan granulation of nitrogenous fertilizer products which are substantially anhydrous, i.e. which have a low content of free water, said process comprising charging hot nitrogenous melt and cooled solids to an inclined rotating pan with the solid material being charged to the lower part of the pan bottom surface such that downward moving particles cover the charged cooler material maintaining the temperature of material discharged from the pan at a maximum of 30°C below the crystallization of the material, and spraying the main part of the melt into the surface of the pan in a zone within a quadrant diametrically opposite to the quadrant into which the solids are charged whereby the highest temperature arising in the rolling bed of material so created is concentrated within this zone.

Compl. specn. 18 pages.

Drgs. 2 sheets.

## OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by M/s. Jalak Metal Works, Bombay to the grant of a patent on application for Patent No. 156627 made by GANGJI LILADHAR and others.

(2)

The opposition entered by M/s. Godrej Soaps Private Limited, Bombay to the grant of a patent on application for Patent No. 156365 made by M/s. Hindustan Lever Limited Bombay as notified in the Gazette of India, Part-III, Section 2 dated 1st February, 1986 has been dismissed.

## PATENTS SEALED

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## AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that NRM Corporation of 3200 Gileadist Road, P. O. Box 6338, Akron, Ohio 44312, U.S.A., a corporation duly organized under the laws of the State of Ohio in U.S.A. have made an application under section 57 of the Patents Act, 1970 for amendment of the application, specification of their patent application No. 156501 for "Tire Building Machine". The amendments are by way of disclaimer, correction or explanation. The application for amendment and proposed amendments can be inspected free of charge at the Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-700 017 of copies of the same can be inspected free of charge and a copy of the same can be had on payment of usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on prescribed form 30 within three months from the date of the notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

## RENEWAL FEES PAID

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## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 155928. PIAGGIO & C. S. P. A., of Via A. Cecchi, 6-Geneva, Italy, a company organized under the laws of the Italian Republic, "Mounting For Rear Lamp Of A Motor Scooter". 13th August, 1985.

Class. 1. No. 155929. PIAGGIO & C. S. P. A., of Via A. Cecchi, 6-Geneva, Italy, a company organized under the laws of the Italian Republic, "Protective Fascia For The Underbody of A Motor Scooter". 13th August, 1985.

Class. 1. No. 155931. PIAGGIO & C. S. P. A., of Via A. Cecchi, 6-Geneva, Italy, a company organized under the laws of the Italian Republic, "Frontal Shield of A Motor Scooter". 13th August, 1985.

Class. 1. No. 155932. PIAGGIO & C. S. P. A., of Via A. Cecchi, 6-Geneva, Italy, a company organized under the laws of the Italian Republic, "Indicator Unit For The Handlebars of A Motor Scooter". 13th August, 1985..

Class. 1. No. 155933. PIAGGIO & C. S. P. A., of Via A. Cecchi, 6-Geneva, Italy, a company organized under the laws of the Italian Republic, "Front Mudguard For A Motor Scooter". 13th August, 1985.

Class. 1. No. 156098. Sturm, Ruger & Company, INC. of Lacey Place, Southport Connecticut, United States of America. a "Pistol". 4th October, 1985.

Class. 1. No. 156099. Sturm, Ruger & Company, INC. of Lacey Place, Southport, Connecticut United States of America. a "Revolver". 4th October, 1985.

Class. 1. No. 156100. Swaran Singh & Sons, Rohti Bridge, Nabha, District Patiala, Punjab, India, a Partnership Firm. "Tractor". 4th October, 1985.

Class. 3. No. 155930. PIAGGIO & C. S. P. A., of Via A. Cecchi, 6-Genova, Italy, a company organized under the laws of the Italian Republic. "Rear Bumper For A Motor Scooter". 13th August, 1985.

Class. 3. No. 155912. Automat Engg. Co., of 16 Benham Hall Lane, Dr. D. D. Sathe Marg, Bombay-400004, Maharashtra, India, a registered Indian Partnership Firm. "a Reflective Stud". 6th August, 1985.

Class. 3. No. 155913. Automat Engg. Co., of 16 Benham Hall Lane, Dr. D. D. Sathe Marg, Bombay-400004, Maharashtra, India, a registered Indian Partnership Firm, "a Peli Stud", 6th August, 1985.

Class. 3. No. 155914. Automat Engg. Co., of 16 Benham Hall Lane, Dr. D. D. Sathe Marg, Bombay-400004, Maharashtra, India, a registered Indian Partnership Firm, "a Park Stud". 6th August, 1985.

Class. 3. No. 156349. Sandip Kumar Mahansaria, an Indian National, of 8 Camac Street, 8th Floor, Space 15, Calcutta-700017, State of West Bengal, India. "Ball Point Pen". 22nd November, 1985.

Class. 3. No. 156351. Sandip Kumar Mahansaria, an Indian National, of 8 Camac Street, 8th Floor, Space 15, Calcutta-700017, State of West Bengal, India. "Ball Point Pen". 22nd November, 1985.

Class. 3. No. 156026. Homi Nariman Bharucha, an Indian National whose address is 1st floor, Bai Shirinbai Banaji Building, 173/174, A.N.M. Joshi Marg, Lower Parel, Bombay-400 013, Maharashtra State, India. "Automatic Liquid Pump". 6th September, 1985.

Class. 3. Nos. 156200, 156201. Colgate Palmolive Company, a corporation organized under the laws of the State of Delaware, United States of America, of 300 Park Avenue, New York, New York 10022, United States of America. a "Toothbrush Package" 1st November, 1985.

Class. 3. No. 155993. General Industrial Controls Private Limited (a company under the Companies Act) at T-107, M.I.D.C. Bhosari, Pune 411 026, State of Maharashtra, India. "Time Switch". 28th August, 1985.

Class. 4. No. 156376. Eli Lilly and Company, a corporation of the State of Indiana, United States of America, having a principal place of business at Lilly Corporate Centre, City of Indianapolis, State of Indiana, United States of America. "Fragrance Container". 2nd December, 1985.

Class. 12. No. 156143. Britannia Industries Limited, of 5/1A, Hungerford Street, Calcutta-700017, West Bengal, India, a Company incorporated under the Companies Act, 1913. "Biscuit". 18th October, 1985.

*Extn. of Copyright for the Second period of five years.*

Nos. 150254, 150255, 150733, 150742, 150743..... Class 3.

R. A. ACHARYA  
Controller, General of Patents,  
Designs and Trade Marks.